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Amendments to the Claims

The following lists all pending claims as amended.

1. (Currently Amended) In an An anionic electrophoretic coating method comprising: in which a conductive substrate is contacted with an

providing a basic electrophoretic coating bath composition and an electric current is imposed thereon to deposit a coating on the anode in the bath, the improvement comprising the coating composition being of an equilibrated water based emulsion of ionic polymeric particles nanoparticles having an average of nanometric particle size of between 10 and 100 nm, and having a pH of 7.8 to 9, and a conductivity of 800-1500 μS/cm and containing about 1% or less of organic solvent;

submerging the conductive work piece in the bath; and

applying a current to the conductive workpiece such that a coating of nanoparticles forms thereon.

2. (Currently Amended) The coating method according to claim 1, wherein the average particle size is about 50 nanometers.

3. (Currently Amended) The method according to claim 4 2, wherein the coating bath composition has a pH of 7.9 to 8.5 and a conductivity of 800 to 1300 μS/cm⁻¹.

4. (Currently Amended) The method according to claim 4 2, wherein the coating bath composition does not contain an electrophoretically coatable pigment.

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5. (Currently Amended) The method according to claim 4 2, wherein the coating bath composition contains an electrophoretically coatable pigment.
6. (Currently Amended) The method according to claim 4 2, wherein the coating bath composition contains about 1 to 30 weight percent solids.
7. (Currently Amended) The method according to claim 4 2, wherein the coating is effected at room temperature employing a driving voltage of about 10 to 30 volts for about 15 to 60 seconds.
8. (Currently Amended) The method according to claim 4 2, wherein the coating formed is baked.
9. (Currently Amended) The method according to claim 8, wherein the baking is effected takes place at a temperature of about 100 to 180°C for about 20 to 30 minutes.
10. (Original) The method according to claim 8, wherein the coating bath composition does not contain an electrophoretically coatable pigment.
11. (Original) The method according to claim 8, wherein the coating bath composition contains an electrophoretically coatable pigment.

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12. (Currently Amended) The method according to claim 3 2, wherein the coating bath composition contains about 1 to 30 weight percent solids.

13. (Currently Amended) The method according to claim 12, wherein the coating is effected occurs at room temperature employing at a driving voltage of about 10 to 30 volts for about 15 to 60 seconds.

14. (Currently Amended) The method according to claim 13, at wherein the coating formed is baked additionally comprising baking the coating.

15. (Currently Amended) The method according to claim 14, wherein the baking is effected occurs at a temperature of about 100 to 180°C. for about 20 to 30 minutes.

16. (Currently Amended) The method according to claim 15, wherein the coating bath composition does not contain an electrophoretically coatable pigment.

17. (Currently Amended) The method according to claim 16, wherein the coating bath composition contains an electrophoretically coatable pigment.